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		25X1
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	30 August 1968	
	MEMORANDUM FOR THE RECORD	
	SUBJECT: Trip Report, August 12-16. Burbank, Edwards, Itek, Palo Alto and	25X1
25X1	1. Discussions with (Hqs.) at Lockheed on August 12 and 13, established revisions to the Sensor portions of Section IV of the Pilots Handbook for the U-2R.	25X1
25X1 25X1	Revisions were taken to Tucson by for coordination with In a meeting with and decided to move the T-35 tracker on switch from the Mark IV Hand Control power on switch to the unused on-off switch adjacent to it so that configuration could be put in standby before take off without turning the tracker on. With its own separate "on" switch, the tracker can be turned on or off without affecting the primary camera.	25X1 25X1
25X1	2. An examination of recorded Q-bay temperatures with revealed that temperatures in the bay vary from over 100°F at takeoff to as low as 30°F during a mission. While this condition is not acceptable, the corrective measures could not be established until the cockpit air conditioning and temperature control were finalized. These finally having been established at 65°F, it was decided to maintain the Q-bay temperature at 65°F ± 5° by insulating the Q-bay and using the present 750 Watt heater blower. It was further decided in a	
25X1	telecon that Lockheed would provide the IRIS II wiring harness from the camera junction box to the	
25X1	vehicle bulkhead. This is a change from the understanding reached between in June 1968.	
	3. At Detachment G, witnessed fit and function installation of IRIS I in 054. Installation provisions were satisfactory and no clearance problems noted using H hatch. Rack carrying recorder, air bottle and temperature/pressure probes was installed above IRIS I package. Flight test was satisfactory, although exposure was too light. No evidence of light leaks, banding, erratic film drive or image smear.	
	SECRET	25X1

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25X1	4. Conferred with No major problems exist in sensor compatibility with U-2R except need for stabilization of Q-bay temperature.	
25X1 25X1	5. Inspected M&O facility of Itek, Palo Alto, with field supervisor. Space, equipment and personnel are adequate. M&O as well as Blue Suit training is done in same facility which makes security awkward but not impossible; for example, a camera being serviced by project cleared people on one side of a partition is secret until it moves to the other side for Blue Suit training where it is unclassified.	g
	6. Visited California, and received a briefing on crop prediction effort contracted for by ORD. Briefly, the program amounted to overflights of an area in North Dakota before, during, and after the wheat	25X1
25X1	growing season, using black and white films with suitable filters	25X1 ly
	a. Assuming better resolution (Delta III camera), what is the minimum number of flights required to assure crop prediction accuracies of 10%?	
	b. What is the minimum number of film filter combinations required to obtain 90% confidence factor	'?
	c. Is it essential that exactly the same fields be covered on pre-and post-harvest coverage?	
	d. To what extent does accurate meteorological data affect prediction accuracies?	
	e. Of what value is color film (SO-121) in crop prediction compared to	25X1
	There were no positive answers to the above questions except that the most valuable film used in this series was	25X1
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			25X1
		SSD/R&D/OSA	 25X1
25X1	SSD/R&D/OSA/ Distribution: Cy 1 - D/M/OSA 2 - IDEA/O/OSA 3 - D/O/OSA 4 - DD/SA 5 - D/R&D/OSA 6 - SSD/R&D/OSA 7 - SSD/R&D Chrono 8 - RB/OSA		